

Oct. 19, 2017 (Thu.)				
Time	International conference room(400)	Auditorium(200)	Lecture room(100)	
08:30-09:30	Registration/Poster Installation			
09:30-10:00	Opening Ceremony			
10:00-10:40	Plenary Lecture 1 & 2		Chair : Yong-Hee Kim (Hanyang Univ.), Heungsoo Shin (Hanyang Univ.)	
	[PL-1] Biomaterials for tissue engineering and regenerative medicine		Tony Mikos (Rice Univ., USA)	
10:40-11:20	[PL-2] Biomaterials and nanotechnology for improvement of cancer therapy outcomes		Jonathan Knowles (Univ. College London, UK)	
11:20-12:40	Company Session I Chair : Sungyun Yang (Chungnam Nat'l Univ.)			
	[CS-1] 11:20-11:35 Biomaterial-based dental medical devices for restoration of periodontal tissue Ju-Dong Song (Osstem Implant Co., Ltd)	Poster Presentation Session I		
	[CS-2] 11:35-11:50 An overview of research trends in biomaterials on digital dentistry Dong Jun Yang (Megagen Implant Co., Ltd.)			
	[CS-3] 11:50-12:05 A brief introduction about the product line and current R&D projects of Hansbiomed Corp. Seong-Hyun Jeon (HansBiomed Co., Ltd.)			
12:40-13:40	KSBM General Meeting(11:20~) and Lunch			
13:40-14:20	Plenary Lecture 3		Chair : Insup Noh (Seoul Nat'l Univ. of Sci. & Tech.), Yeu-Chun Kim (KAIST)	
	[PL-3] Study on the differences of macrophage phenotype and hMSC osteogenic differentiation on hydroxyapatite and mineralized collagen		Fuzhai Cui (Tsinghua Univ., CHINA)	
14:20-15:20	Session 1 : Nanoparticle Based Drug Delivery Systems Chair : Hyuk Sang Yoo (Kangwon Nat'l Univ.), Hyun Jung Chung (KAIST)			
	[KL-1] 14:20-14:40 Keynote: Multifunctional nanoparticle assemblies for biomedical applications Daishun Ling (Zhejiang Univ., CHINA)	Session 2 : Innovative Regenerative Medicine Chair : Kwideok Park (KIST), Seung-Woo Cho (Yonsei Univ.)		
	[S1-IL-1] 14:40-15:00 pH-responsive nanocarriers for tumor-targeted drug delivery Young Tag Ko (Gachon Univ.)	[S2-IL-1] 14:20-14:40 Trafficking of endogenous stem cells for tissue repair Youngsook Son (Kyung Hee Univ.)	Session 3 : Stem Cell Application Chair : Tae Gyun Kwon (Kyungpook Nat'l Univ. Medical Center), Jinkee Hong (Chung Ang Univ.)	
	[S1-IL-2] 15:00-15:20 Dicer substrate RNA nanostructures for enhanced gene silencing Hyukjin Lee (Ewha Womans Univ.)	[S2-IL-2] 14:40-15:00 Therapeutic particles to restore regenerative process Hae-Won Kim (Dankook Univ.)	[S3-IL-1] 14:20-14:40 Human Spinal Cord Organoids for modeling of human diseases Woong Sun (Korea Univ. College of Medicine)	[S3-IL-2] 14:40-15:00 Application of stem cells for tissue repair Jae Ho Kim (Pusan Nat'l Univ. School of Medicine)
15:20-15:40	Coffee Break			
15:40-16:20	Plenary Lecture 4		Chair : Jong-Chul Park (Yonsei Univ.), Dongwon Lee (Chonnam Nat'l Univ.)	
	[PL-4] Multifunctional carrier systems for oral drug/gene delivery		Hsing-Wen Sung (National Tsing Hua Univ., TAIWAN)	
16:20-17:40	Session 4 : Nanomedicine for Therapeutic Applications Chair : Soo-Hong Lee (CHA Univ.), Dong Yun Lee (Hanyang Univ.)			
	[KL-2] 16:20-16:40 Keynote: Nanoparticle biointerfacing with cellular membranes for biomedical applications Jack Hu (Academia Sinica, TAIWAN)	Session 5 : From Bench to Clinic Chair : Chan Yeong Heo (Seoul Nat'l Univ. Bundang Hospital), Jae Young Lee (GIST)		
	[S4-IL-1] 16:40-17:00 Study of Polymeric Nano-networks for Cell Controllable Surfaces Sungyun Yang (Chungnam Nat'l Univ.)	[S5-IL-1] 16:20-16:40 Chitosan-based dressing foam for problematic wound management Ji Ung Park (Seoul Nat'l Univ. Boramae Hospital)	Session 6 : Student Oral Competition I Chair : Young Bin Choy (Seoul Nat'l Univ.), Ja-Hyoung Ryu (UNIST)	
	[S4-IL-2] 17:00-17:20 Molecular nanomedicine for photonic theragnosis Sehoon Kim (KIST)	[S5-IL-2] 16:40-17:00 Image guided drug delivery system using ultrasound Hak Jong Lee (Seoul Nat'l Univ. Bundang Hospital)	[SOC-1] Mitochondria localization induced self-assembly of peptide amphiphiles for cellular dysfunction Jeena M T (UNIST)	[SOC-2] Comprehensive examination of mechanical and diffusional effects on cell behavior using a decoupled 3D hydrogel system Suntae Kim (UNIST)
[S4-IL-3] 17:20-17:40 Melanin-based therapeutic agents for photothermal cancer therapy Chang-moon Lee (Chonnam Nat'l Univ.)	[S5-IL-3] 17:00-17:20 Silica template optical nanoparticles for sensitive and multiplex immunoassays Bong-Hyun Jun (Konkuk Univ.)	[S5-IL-4] 17:20-17:40 Microneedles for vascular and ocular drug delivery Won Hyoung Ryu (Yonsei Univ.)	[SOC-3] Structure-dependent magnetic resonance performance of supramolecular theranostic peptide nanomaterials Inhye Kim (Chungnam Nat'l Univ.)	
17:40-20:00	Awarding Ceremony (Young Scientist Award) and Reception			

Oct. 20, 2017 (Fri.)				
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09:00-10:00	Registration/Poster Installation			
10:00-10:40	Plenary Lecture 5 & 6		Chair : Ki Dong Park (Ajou Univ.), Gun-Il Im (Dongguk Univ. College of Medicine)	
	[PL-5] Cell sheet tissue engineering and clinical applications		Teruo Okano (Tokyo Women's Medical Univ., JAPAN)	
10:40-11:20	[PL-6] Tissue engineered intervertebral disc replacement: towards a new treatment option		Rita Kandel (Univ. of Toronto, CANADA)	
11:20-12:40	Company Session II Chair : Jae-Jun Song (Korea Univ. Guro Hospital)			
	[CS-4] 11:20-11:35 SG cap technology; 3 dimensional sol-gel encapsulation of disease diagnostic markers for superior sensitivity Soyoun Kim (PCL Inc./ Dongguk Univ.)	Poster Presentation Session II		
	[CS-5] 11:35-11:50 Development of EGF containing cellulose combination for ulcer healing Hak Su Jang (CGBio Co., Ltd.)			
	[CS-6] 11:50-12:05 Commercialization strategy of tissue regenerative biomaterials Jue-Yeon Lee (Nano Intelligent Biomedical Engineering Co.)			
12:40-13:40	Lunch			
13:40-14:20	Plenary Lecture 7		Chair : Dong Keun Han (CHA Univ.), Giyongng Tae (GIST)	
	[PL-7] Glycomaterials for engineering immunity and tolerance		Jeffrey Hubbell (The Univ. of Chicago, USA)	
14:20-15:20	Session 7 : Functional Biomaterials Chair : Youngjoo Koh (Samyang Biopharmaceuticals Co.), Kyobum Kim (Incheon Nat'l Univ.)			
	[KL-3] 14:20-14:40 Keynote: Biotransports and organoids regulated by transient properties of biomaterials Hyunjoon Kong (The Univ. of Illinois, USA)	Session 8 : Progress in 3D Printing for Tissue Engineering Chair : Chan Hum Park (Hallym Medical Center), Hee Seok Yang (Dankook Univ.)		
	[S7-IL-1] 14:40-15:00 Pro-angiogenic vascular network hydrogel to rescue ischemic tissue damage Hak-Joon Sung (Yonsei Univ.)	[S8-IL-1] 14:20-14:40 Introduction to bioprinting materials for tissue engineering Insup Noh (Seoul Nat'l Univ. of Sci. & Tech.)	Session 9 : Student Oral Competition II Chair : Tae-Hyung Kim (Chung Ang Univ.), Seil Sohn (CHA Univ. College of Medicine)	
	[S7-IL-2] 15:00-15:20 Biomimetic Membranes for Engineered Applications Tae-Joon Jeon (Inha Univ.)	[S8-IL-2] 14:40-15:00 Bioceramic 3D printing technology Hui-Suk Yun (KIMS)	[SOC-9] Development of bio-inspired, adhesive hyaluronic acid-based hydrogel for biomedical applications Jisoo Shin (Yonsei Univ.)	[SOC-10] Networked concave microwell for improving the functionality of 3D hepatocyte spheroids GeonHui Lee (Korea Univ.)
15:20-15:40	Coffee Break			
	Plenary Lecture 8		Chair : Jin Woo Lee (Yonsei Univ. College of Medicine), Byeongmoon Jeong (Ewha Womans Univ.)	
	[PL-8] Nanoscience for biomedical imaging and activations		Jinwoo Cheon (Yonsei Univ., KOREA)	
	Session 10 : Biomedical Fusion Technology Chair : Hansoo Park (Chung Ang Univ.), Hoon Hyun (Chonnam Nat'l Univ. Medical School)			
16:20-17:40	[S10-IL-1] 16:20-16:40 Versatile nucleic acid-based biomedical platforms Jong Bum Lee (The Univ. of Seoul)	Session 11 : 3D Platforms for Tissue Engineering Chair : In-Kyu Park (Chonnam Nat'l Univ. Medical School), Yoon Ki Joung (KIST)		
	[S10-IL-2] 16:40-17:00 Role of mechanical flow in the cancer promotion using biomimetic platform Hyun Jung Lee (Seoul Nat'l Univ.)	[KL-4] 16:20-16:40 Keynote: Immunomodulation and osteogenic response on mineralized collagen during bone tissue regeneration Fengzhen Liu (Liaocheng People's Hospital, CHINA)	[S12-IL-1] 16:20-16:40 Coatings of functional materials on the implant by plasma electrolytic oxidation Han-Cheol Choe (Chosun Univ. College of Dentistry)	
	[S10-IL-3] 17:00-17:20 Novel biomolecule detection technology based on nanozymes Moon Il Kim (Gachon Univ.)	[S11-IL-1] 16:40-17:00 Engineering perfusable blood vessel and lymphatic vessel networks for organ on a chip applications Noo Li Jeon (Seoul Nat'l Univ.)	[S12-IL-2] 16:40-17:00 Dental clinician's choice: Why they finally chose osteoconductivity Jung-Seok Lee (Yonsei Univ. College of Dentistry)	[S12-IL-3] 17:00-17:20 In vitro organ on a chip for application of biological micro-environment William.h.Choi (Korea Univ. College of Medicine)
	[S10-IL-4] 17:20-17:40 Genome editing using CRISPR-Cas system Sangsu Bae (Hanyang Univ.)	[S11-IL-2] 17:00-17:20 Controlled delivery of growth factors from leaf-stacked structure Se Heang Oh (Dankook Univ.)	[S12-IL-4] 17:20-17:40 Good Laboratory Practice for Medical Devices in Biocompatibility Test Regulation in Korea Bong soo Jung (DGMIF)	
17:40-18:00	Awarding Ceremony (Oral Competition Award & Poster Presentation Session Award) and Closing Remark			

• 본 프로그램은 학술대회 사정에 따라 변경될 수 있습니다.